

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the above-referenced application.

### **Listing of Claims:**

1. (Currently amended) Electromagnetic valve for a gas cylinder [(1)], ~~in particular a gas cylinder (1) for gas powered motor vehicles, having comprising:~~

- [(•)] a valve body [(4)];
- [(•)] a threaded portion of the valve body with an external thread [(3)], which is screwable into an internal thread [(2)] on the gas cylinder [(1)];
- [(•)] a portion of the valve body [(4)] projecting into the gas cylinder [(1)];
- [(•)] a shut-off piston [(31)];
- [(•)] electromagnetic control elements [(25, 28, 29),] by which the shut-off piston [(31)] is movable from an open position to a closed position,

wherein the valve body [(4)] for receiving the shut-off piston [(31)] and the electromagnetic control elements [(25, 28, 29)] has a cavity [(15),] which is disposed inside the threaded portion and/or the portion of the valve body [(4)] projecting into the gas cylinder [(1)], ~~characterized in that~~ and wherein a mouth of the cavity [(15)] is disposed on ~~the~~ a head end [(5)] of the valve body [(4)] situated outside of the gas cylinder [(1)], and the shut-off piston [(31)] and the electromagnetic control elements [(25, 28, 29)] can be inserted into the cavity [(15)] through the mouth.

2. (Currently amended) Electromagnetic valve according to claim 1, ~~characterized in that~~  
wherein disposed in ~~the~~ a region of the mouth of the cavity ~~[[ (15) ]]~~ is an external thread  
~~[[ (3), ]]~~ into which a screw cap ~~[[ (23) ]]~~ is screwable.
3. (Currently amended) Electromagnetic valve according to claim 1 ~~[[ or 2 ]]~~, ~~characterized in~~  
~~that~~ wherein the valve body ~~[[ (4) ]]~~ has at least one further receiving space for a further  
element, and wherein the further element can be inserted into the receiving space through  
an opening situated outside of the gas cylinder ~~[[ (1) ]]~~.
4. (Currently amended) Electromagnetic valve according to ~~one of the preceding claims~~ claim  
1, ~~characterized in that~~ wherein the at least one further element is one of the following  
elements:
- ~~[[ • ]]~~ a manual shut-off valve (18),
  - ~~[[ • ]]~~ a connection coupling (8) without a non-return valve,
  - ~~[[ • ]]~~ a connection coupling (10) with a non-return valve,
  - ~~[[ • ]]~~ a safety element with rupture diaphragm (20) for protecting against excessively  
high pressure,
  - ~~[[ • ]]~~ a safety element (22) with a fluid-filled glass body (50) for thermal protection,  
and any combination thereof.

5. (Currently amended) Electromagnetic valve according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the valve body  $[(4)]$  has at least one flow channel  $[(12, 13)]$  connecting the cavity  $[(15)]$  to at least one coupling piece  $[(8, 10)]$  outside of the gas cylinder  $[(1)]$ .
6. (Currently amended) Electromagnetic valve according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the valve body  $[(4)]$  comprises at least one flow channel  $[(14, 16)]$  connecting the cavity  $[(15)]$  to a mouth into the interior of the gas cylinder  $[(1)]$ .
7. (Currently amended) Electromagnetic valve according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the valve body  $[(4)]$  comprises at least one flow channel  $[(16, 19, 21)]$  connecting the at least one receiving space to a mouth into the interior of the gas cylinder  $[(1)]$ .
8. (Currently amended) Electromagnetic valve according to ~~one of claims 6 or 7~~ claim 6, ~~characterized in that~~ wherein a flow restrictor  $[(17)]$  is disposed on the mouth into the interior of the gas cylinder  $[(1)]$ .
9. (Currently amended) Electromagnetic valve according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein a filter  $[(54)]$  is disposed on ~~the~~ a mouth into the interior of the gas cylinder  $[(1)]$ .

10. (Currently amended) Electromagnetic valve according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein a protective device against mechanical actions is provided on the head end ~~[(5)]~~ of the valve body ~~[(4)]~~ situated outside of the gas cylinder ~~[(1)]~~.
11. (Currently amended) Electromagnetic valve according to claim 10, ~~characterized in that~~ wherein the protective device is a protective plate ~~[(6)]~~.
12. (Currently amended) Electromagnetic valve according to claim 10 ~~or 11~~, ~~characterized in that~~ wherein the head end ~~[(5)]~~ of the valve body ~~[(4)]~~ has rounded or chamfered edges.
13. (Currently amended) Electromagnetic valve according to ~~one of claims 10 to 12~~ claim 11, ~~characterized in that~~ wherein the protective plate ~~[(6)]~~ has at least one support rib ~~[(57)]~~.
14. (Currently amended) Electromagnetic valve according to ~~one of claims 10 to 12~~ claim 13, ~~characterized in that~~ wherein disposed in the protective plate ~~[(6)]~~ is at least one cutout ~~[(58)]~~, which is ~~preferably~~ situated close to the at least one support rib ~~[(57)]~~.

15. (Currently amended) Electromagnetic valve according to ~~one of claims 10 to 14~~ claim 11, ~~characterized in that~~ wherein an elastic layer  $[(7)]$  is disposed between the protective plate  $[(6)]$  and the head end  $[(5)]$  of the valve body  $[(4)]$ .
16. (Currently amended) Electromagnetic valve according to claim 15, ~~characterized in that~~ wherein the elastic layer  $[(7)]$  is made of a thermoplastic polymer.
17. (Currently amended) Electromagnetic valve according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the head end  $[(5)]$  of the valve body  $[(4)]$  is designed as a polygon, ~~in particular a quadrilateral or hexagon.~~
18. (Currently amended) Electromagnetic valve according to ~~one of claims 4 to 17~~ claim 4, ~~characterized in that~~ wherein the gas cylinder  $[(1)]$  ~~can be~~ is attached to a motor vehicle with a passenger compartment, ~~that~~ wherein the valve comprises a plurality of safety elements  $[(18, 20, 22),]$  which have an efflux opening  $[(59)]$  situated outside of the gas cylinder  $[(1)]$ , and wherein all of the efflux openings are disposed on the valve body  $[(4)]$  at a side remote from the passenger compartment.

19. (Currently amended) Electromagnetic valve for a gas cylinder (1), ~~in particular a gas cylinder (1) for gas powered motor vehicles, having comprising:~~

[[•]] a valve body [[(4)]] connected in a sealed manner to the gas cylinder [[(1)]];

[[•]] a shut-off piston [[(31)]] disposed in the valve body [[(4)]];

[[•]] an annular space [[(37)]], which is situated in front of the outer annular face of the front of the shut-off piston [[(31)]] and connected to the interior of the gas cylinder [[(1)]];

[[•]] a connection channel [[(38)]], which is situated in front of the central region of the front of the shut-off piston [[(31)]] and leads out of the valve body [[(4)]];

[[•]] a main seal [[(39)]], which is disposed on the front of the shut-off piston [[(31)]] and can be pressed by means of the piston [[(31)]] against a main seal seat [[(40)]] in order to seal off the annular space [[(37)]] from the connection channel [[(38)],

[[•]] electromagnetic control elements, which are disposed in the valve body [[(4)]] and move a pilot seal [[(33)]], which is pressed by a pretension spring [[(35)]] against a pilot opening, away from said pilot opening;

[[•]] a pressure reduction channel [[(32)]] in the shut-off piston [[(31)]], which pressure reduction channel opens out in the pilot opening and connects the rear of the shut-off piston (31) facing the control elements [[(25, 28, 29)]] to the front of the shut-off piston [[(31)]]; ~~characterized in that~~ wherein the shut-off piston [[(31)]] is disposed in a substantially freely displaceable manner in the valve body [[(4)]] and it is exclusively the pretension spring [[(35)]] for the pilot seal [[(33)]] that develops a pretension force that presses the shut-off piston [[(31)]] against the main seal seat [[(40)]]).

20. (Currently amended) Electromagnetic valve according to claim 19, ~~characterized in that~~  
wherein the pressure reduction channel  $[(32)]$  opens out via flow channels at the front  
of the shut-off piston  $[(31)]$  close to the main seal seat.
21. (New) Electromagnetic valve according to claim 7, wherein a flow restrictor is disposed on  
the mouth into the interior of the gas cylinder.
22. (New) Electromagnetic valve according to claim 21, wherein the polygon is a quadrilateral  
or hexagon.
23. (New) Electromagnetic valve, comprising:
- a valve body, wherein said valve body includes an attachment mechanism and a  
projection portion;
  - a shut-off piston; and
  - electromagnetic control elements that control movement of the shut-off piston  
from an open position to a closed position,
- wherein the valve body includes a cavity disposed in the projection portion, and  
wherein a mouth of the cavity is disposed on a head end of the valve body distal from the  
projection portion, and wherein the shut-off piston and the electromagnetic control  
elements are disposed in the cavity and are externally accessible through said mouth of  
the cavity.